

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2022

Course: Nutritional disorders

Program: B.Sc. Food Nutrition & Dietetics

Course Code: HSCC2009

Semester : III

Duration : 3 Hours

Max. Marks : 100

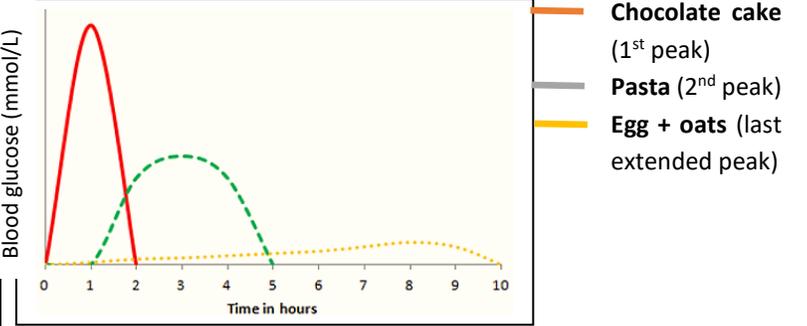
Instructions:

S. No.	Section A (18Qx1.5M= 27 Marks + 1Q x3.0M= 3.0 Marks) = 30 Marks	Marks	COs
Q1	Duties of a Certified Nutritionist DOES NOT include this a. Providing nutrition therapy to manage illnesses/health conditions b. Overseeing community education programs c. Giving nutrition advice and counseling to clients d. Medical treatment of variety of health conditions	1.5	CO1
Q2	State whether the statement is TRUE or FALSE. Jaundice is a disease not a symptom.	1.5	CO1
Q3	List any three foods that must be avoided during peptic ulcer.	1.5	CO1
Q4	State whether the statement is TRUE or FALSE. Potassium intoxication, oliguria, oedema are common symptoms of insulin dependent diabetes mellitus.	1.5	CO1
Q5	State the four phases in which the general symptoms of acute viral hepatitis are divided.	1.5	CO1
Q6	Type 1 diabetes is predominantly due to insulin _____.	1.5	CO2
Q7	These are used to neutralize stomach acidity and to relieve heartburn a. Antibiotics b. Anti-diuretics c. Antacids d. Steroids	1.5	CO4
Q8	What is the role of nephrons?	1.5	CO1
Q9	Blood urea nitrogen (BUN) is measured in _____ diseases.	1.5	CO3
Q10	Describe the term lactose intolerance.	1.5	CO4
Q11	Which one of the following is a modifiable risk factor of esophagitis?	1.5	CO2

	<ul style="list-style-type: none"> a. Age b. Smoking c. Family history d. Gender 		
Q12	Define Wilson's disease.	1.5	CO2
Q13	<p>Polydipsia, polyuria, dehydration are common metabolic changes in this diseased condition.</p> <ul style="list-style-type: none"> a. PCOS b. Obesity c. Atherosclerosis d. Type II Diabetes 	1.5	CO1
Q14	_____, an organ in human body, helps in formation and excretion of bile.	1.5	CO1
Q15	_____hormone gets secreted before we eat our food to 'increase' glucose levels in blood.	1.5	CO1
Q16	<p>Bland diet is prescribed in this disease condition.</p> <ul style="list-style-type: none"> a. GERD b. Renal failure c. Liver disorders d. PCOS 	1.5	CO1
Q17	List down three food products which are rich in dietary fiber.	1.5	CO1
Q18	What is Diverticuli?	1.5	CO4
Q19	<p>Indicate the meaning of the following terms:</p> <ul style="list-style-type: none"> a. Oliguria b. Steatorrhea c. Oedema 	1×3 = 3.0	CO1
Section B (4Qx5M=20 Marks)			
Q 1	<p>Arya works as a Software engineer in an IT firm with long working hours, disturbed sleep and usually skip major meals. Recently, she has started to complain about heartburn, frequent belching, throat irritation and hoarseness of voice.</p> <ul style="list-style-type: none"> a. Reflect on the above symptoms and assess the primary disease. 1 mark b. Propose dietary management for the same. 4 marks 	5	CO3
Q2	Demonstrate how low fiber, low bulk diets can lead to diverticula.	5	CO5
Q3	<p>Jejunum is responsible for a large portion of nutrient absorption.</p> <p>Ponder on the above statement and evaluate effect of jejunal resection on digestion and absorption of nutrients.</p>	5	CO2

Q4	<p>Mr. Tiwari is a 50-year-old businessman. He is a heavy drinker and eats mostly junk foods. He had been complaining of weakness, vomiting, bleeding, and swelling of feet with varicose veins. He is recently diagnosed with liver cirrhosis.</p> <p>Propose appropriate dietary management with emphasis on the following nutrients: protein, fat, and sodium.</p>	5	CO3
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Section C
(2Qx15M=30 Marks)

Q1	<p>a. Describe type II diabetes mellitus and its symptoms. 5 marks</p> <p>b. Identify the given food products based on their ‘nutrient composition’. Interpret their post prandial ‘blood glucose response curves’, as shown in the graph below. 10 marks</p> 	15	CO4
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Q2	<p>Sanjana, a 20-year-old girl, is experiencing acne, thinning of hair, excess weight gain and abnormal menstruation.</p> <p>a. Identify the metabolic disorder based on given signs and symptoms and discuss its etiology. 7 marks</p> <p>b. Design lifestyle and behavioral approaches for the management of same. 8 marks</p>	15	CO5
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Section D
(2Qx10M=20 Marks)

Q1	<p>a. Describe the characteristic features of acute kidney failure. 5 marks</p> <p>b. Demonstrate the objectives of nutrition therapy and dietary management for a patient suffering from acute kidney injury, with reference to electrolytes, fluids, and proteins. 5 marks</p>	10	CO3
Q2	<p>Demonstrate the metabolic consequences of alcohol consumption on liver.</p>	10	CO2